What is claimed is:

1. A composition comprising a reduced isoalpha acid (RIAA) and isoalpha acid (IAA) isolated from hops, wherein the RIAA and IAA are in a ratio of about 3:1 to about 1:10.

2. The compositon of claim 1, wherein said isoalpha acid is selected from isohumulone, isocohumulone, and isoadhumulone.

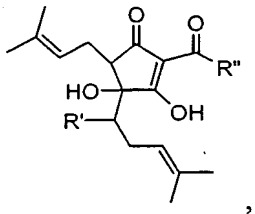
3. The compositionof claim 1, wherein said reduced isoalpha acid is selected from dihydro-isohumulone, dihydro-isocohumulone, and dihydro-adhumulone.

4. A method of reducing inflammation, comprising administering a composition comprising a reduced isoalpha acid (RIAA) and isoalpha acid (IAA) isolated from hops, wherein the RIAA and IAA are in a ratio of about 3:1 to about 1:10.

5. The method of claim 1, wherein said isoalpha acid is selected from isohumulone, isocohumulone, and isoadhumulone.

6. The method of claim 1, wherein said reduced isoalpha acid is selected from dihydro-isohumulone, dihydro-isocohumulone, and dihydro-adhumulone.

7. A method of reducing inflammation, comprising administering at least two compounds of Genus A having the formula:

(Genus A), 

,

wherein R' is selected from the group consisting of carbonyl, hydroxyl, OR, and OCOR, wherein R is alkyl;

and wherein R" is selected from the group consisting of $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, and $CH(CH_3)CH_2CH_3$, wherein the two compounds are in a ratio of about 10:1 to about 1:10.

AMENDED CLAIMS

received by the International Bureau on 08 August 2005 (08.08.2005): original claims 1-7 have been replaced by amended claims 1-7.

What is claimed is:

1. A composition comprising a reduced isoalpha acid (RIAA) and isoalpha acid (IAA) isolated from hops, wherein the RIAA and IAA are in a ratio of about 3:1 to about 1:10 and wherein said RIAA and IAA individually comprise at least 0.1% of the composition.

2. The composition of claim 1, wherein said isoalpha acid is selected from isohumulone, isocohumulone, and isoadhumulone.

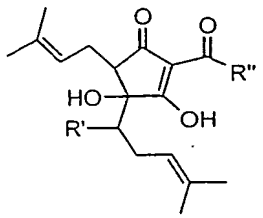
3. The composition of claim 1, wherein said reduced isoalpha acid is selected from dihydro-isohumulone, dihydro-isocohumulone, and dihydro-adhumulone.

4. A method for reducing PGE2 mediated inflammation, comprising administering a composition comprising a reduced isoalpha acid (RIAA) and isoalpha acid (IAA) isolated from hops, wherein the RIAA and IAA are in a ratio of about 3:1 to about 1:10 and wherein said RIAA and IAA individually comprise at least 0.1% of the composition.

5. The method of claim 4, wherein said isoalpha acid is selected from isohumulone, isocohumulone, and isoadhumulone.

6. The method of claim 4, wherein said reduced isoalpha acid is selected from dihydro-isohumulone, dihydro-isocohumulone, and dihydro-adhumulone.

7. A method FOR reducing PGE2 mediated inflammation, comprising administering at least two compounds of Genus A having the formula:



(Genus A),

wherein R' is selected from the group consisting of carbonyl, hydroxyl, OR, and OCOR, wherein R is alkyl;

and wherein R" is selected from the group consisting of $CH(CH_3)_2$, $CH_2CH(CH_3)_2$, and $CH(CH_3)CH_2CH_3$, wherein the two compounds are in a ratio of about 10:1 to about 1:10 and wherein said RIAA and IAA individually comprise at least 0.1% of the composition.